

# PATENT ABSTRACTS OF JAPAN

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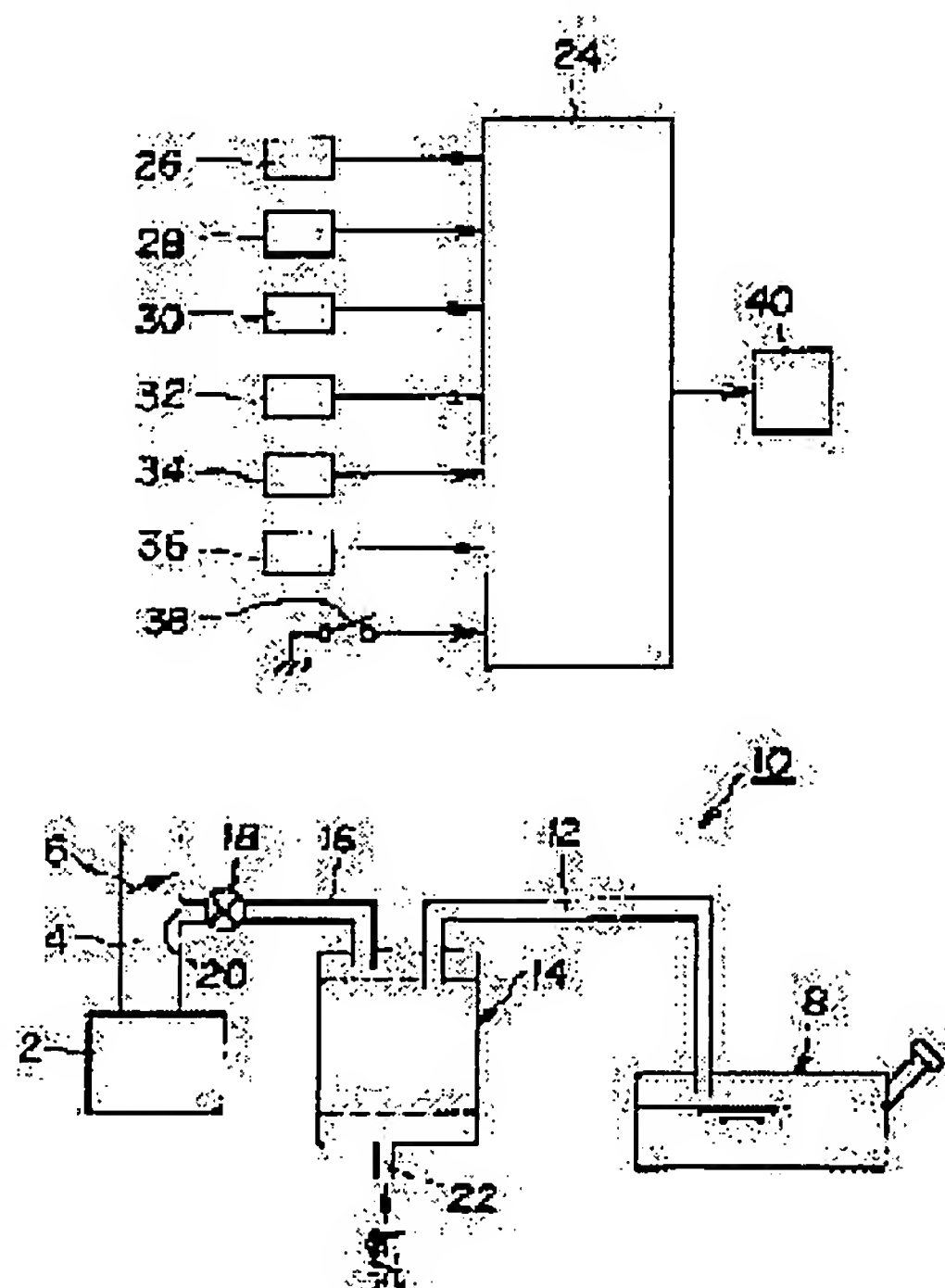
## (54) DIAGNOSTIC DEVICE FOR VAPORIZED FUEL CONTROL SYSTEM OF VEHICLE

### (57)Abstract:

**PURPOSE:** To early detect a trouble condition so as to prevent hydrocarbon from its emission to the atmosphere by leakage of vaporized fuel by deciding a condition before starting a trouble diagnosis in accordance with a cooling water temperature condition at the time of starting an internal combustion engine, and executing a trouble diagnostic monitor in the case of satisfying the predetermined condition.

**CONSTITUTION:** Vaporized fuel adsorbed and held to a canister 14 is control-supplied to an internal combustion engine 2 in accordance with its operating condition.

Particularly by providing a system trouble diagnostic means 24, a condition before starting a trouble diagnosis is decided in accordance with a cooling water temperature condition at the time of starting the internal combustion engine 2. In the case of satisfying the condition with a cooling water temperature in a preset value or more and the specific condition in accordance with an operating condition of the internal combustion engine 2 and/or a running condition of a vehicle, a trouble diagnostic monitor of a vaporized fuel control system 10 is executed. Further, the system trouble diagnostic means 24 provides a cooling water temperature sensor 26, car speed sensor 28, trouble notifying part 40, etc. In this way, a trouble can be early detected, and hydrocarbon can be prevented from its emission to the atmosphere by leakage of the vaporized fuel.



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